



INSTALLATION INSTRUCTIONS V90030

C-500 SERIES

Model: C-500



Avoid Fire or Electric Shock

Installation Instructions for qualified electricians only.
Install per National Electrical Code and local regulations.
Read installation instructions completely before installation.
Failure to follow installation instructions may void warranties.



Warning



1. RISK OF FIRE:

Do not stuff any insulation within three (3) inches of the Fixture sides or whole ceiling above fixture in such a manner to trap heat.

2. Fixture is thermally protected and designed for use with MR-16 (12V/50W) lamp and in combination with RSA trim and spool.

3. If MR-16 lamp begins to faint or blink, turn off power supply immediately. When bulb cools down, check the following:

a. Insulation placed properly (need three (3) inches spacing all around).

b. 50W maximum wattage bulb not exceeded.

c. Power supply is AC 120V maximum.

4. Before wiring to power supply, make sure fixture is firmly seated with no bare wire exposed outside wire nut and that wire insulation was not damaged during installation.

5. Before attempting to replace lamp, allow sufficient time for cooling down due to MR-16 (12V/50W) operating at higher temperature than normal incandescent lamps.

6. Before installing, check supply wire on ceiling for BGC minimum rating.

NOTICE: Most dwellings built before 1995 have supply wires rated BGC only. Consult a qualified electrician if applicable.

Fixture Mounting

JOIST TYPE CEILING:

1. Extend adjustable length of Hanger Bars to fit between Joists. See Fig. 1 & 2.

2. BE SURE Fixture rim (See Fig. 1) is flush with proposed Ceiling line.

3. Top Hanger Bars to seal Tab (See Fig. 1) in job to temporarily secure Hanger Bars, then fasten Hanger Bars to joist with Nut through Mounting Hole (See Fig. 1) in Flange. (Mounting Hardware not provided.)

SUSPENDED (T-BAR) CEILING:

1. Rest Fixture on T-Bar overlapping by one (1) inch.

2. BE SURE Fixture rim is flush with proposed Ceiling line.

3. Secure Fixture to T-Bar with wire.

Fixture Mounting (Con't)

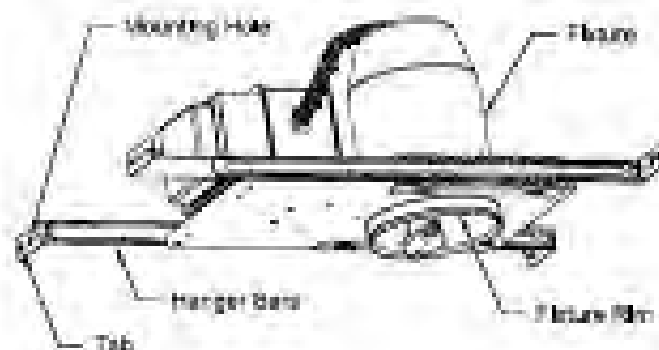


Figure 1

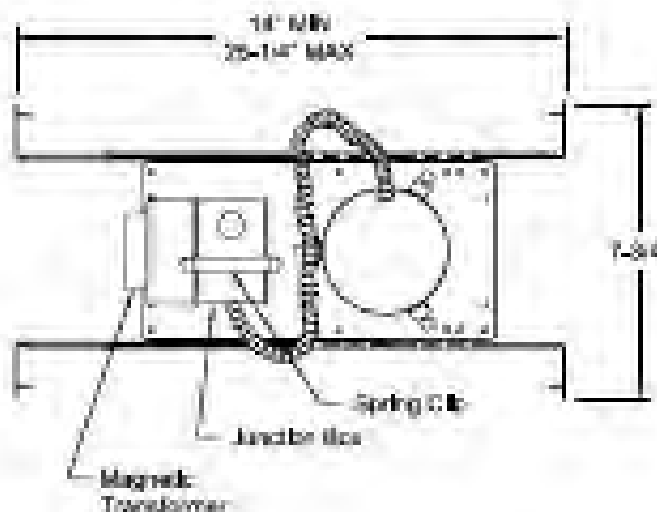


Figure 2



INSTALLATION INSTRUCTIONS (CON'T)

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Electrical Connection

1. Turn off power supply.
2. Check to see that entire Fixture is seated firmly and properly.
3. Connect control (AC/120V supply wires) to Junction Box (See Fig. 2) using appropriate connector.
4. Connect Black supply wire from Transformer (See Fig. 2) to Black supply wire (120V) in Junction Box.
5. Connect White neutral supply wire from Transformer to Red or White supply wire (120V) in Junction Box.
6. Complete ground connection with bare copper or Green ground wire.
7. Tuck all wires carefully and completely into Junction Box. Lock Cover with Spring Clip (See Fig. 2) on top.

NOTE: Dimmer must be compatible
with Magnetic Transformer.



Ceiling Preparation

1. Locate center of proposed opening on the Ceiling material and cut out a 3-7/8 inch diameter.
2. Put Ceiling material up to just on T-Bar and align Fixture Rim with Ceiling opening.
3. Set Trim or Spot Mounting Springs into Fixture opening and push Trim or Mono-Point up to Ceiling surface until firmly seated.
4. Wire to Red or White (120V) supply wire in Junction Box.